

Comparisons of Job Characteristics

Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	12.2	15.8	>> Current knowledge level is likely more than sufficient
Production and Processing	6.0	9.8	10.9	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.9	13.2	> Skill level is likely sufficient
Operation and Control	5.4	10.3	11.1	0 Current skill level may be sufficient
Quality Control Analysis	5.9	9.3	11.8	> Skill level is likely sufficient
Equipment Maintenance	3.5	9.1	8.2	< A higher skill level may be required
Repairing	3.4	9.0	7.6	< A higher skill level may be required
Troubleshooting	4.5	7.9	9.2	> Skill level is likely sufficient
Equipment Selection	3.3	6.6	8.0	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 82			
Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011) Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	11.8	12.2	0	Current ability level may be sufficient
Reaction Time	4.8	10.5	13.2	>	Current ability level is likely sufficient
Finger Dexterity	7.6	10.3	10.1	0	Current ability level may be sufficient
Trunk Strength	5.7	9.1	8.9	0	Current ability level may be sufficient
Auditory Attention	5.9	8.9	13.0	>>	Current ability level is likely more than sufficient
Rate Control	3.8	8.8	10.1	>	Current ability level is likely sufficient
Response Orientation	4.0	7.9	8.8	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	6.9	8.0	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011) Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Load or unload material or workpiece into machinery	34	
Monitor production machinery/equipment operation to detect problems	27	
Perform safety inspections in manufacturing or industrial setting	33	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.